(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 12 May 2005 (12.05.2005)

PCT

(10) International Publication Number WO 2005/041847 A2

(51) International Patent Classification7:

A61J

(21) International Application Number:

PCT/US2004/034782

(22) International Filing Date: 21 October 2004 (21.10.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

22 October 2003 (22.10.2003) US 60/513,463

- (71) Applicant (for all designated States except US): UNIVER-SITY HOSPITALS OF CLEVELAND [US/US]; 11100 Euclid Avenue, Cleveland, OH 44106 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): GORODESKI, George [US/US]; 25154 Bridgeton Drive, Beechwood, OH 44122 (US).
- (74) Agent: SMITH, Kenneth, J.; Calfee, Halter & Griswold LLP, 800 Superior Avenue, Suite 1400, Cleveland, OH 44114-0816 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, BG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND APPARATUS FOR APPLYING MEDICATION TO INTERNAL TISSUE

(57) Abstract: A method and apparatus for applying medication to internal human tissue. One drug delivery member for applying medication to internal human tissue includes a medication impermeable barrier and a medication carrying matrix. The medication impermeable barrier is shaped to conform to a contour of the internal tissue The medication carrying matrix is disposed on the barrier. The medication carrying matrix releases the medication to the human tissue upon being applied to the internal human tissue. The matrix may be adapted to adhere to the internal human tissue and/or a retainer may be used to secure the drug delivery member to the internal tissue.

